If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Lexus dealer.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
BRAKE (U.S.A.)	Brake system warning light (warning buzzer) • Low brake fluid
(Canada)	Malfunction in the brake system

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
= +	Charging system warning light Indicates a malfunction in the vehicle's charging system.
(Flashes)	Engine oil temperature warning light (warning buzzer) Indicates that the engine oil temperature is too high.
(Flashes)	Engine coolant temperature warning light (warning buzzer)
(Flashes)	Indicates that the engine coolant temperature is too high. (→P. 351)

Have the vehicle inspected by your Lexus dealer immediately.

Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning light	Warning light/Details
(U.S.A.)	Malfunction indicator lamp Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; or • The electronic transmission control system.
*	SRS warning light Indicates a malfunction in: • The SRS airbag system; or • The seat belt pretensioner system.
ABS (U.S.A.) (ABS) (Canada)	ABS warning light Indicates a malfunction in: • The ABS; or • The brake assist system.
	Brake system warning light Indicates a malfunction in: • The electronically controlled brake system; or • The electric parking brake.
!	Electric power steering system warning light (warning buzzer) Indicates a malfunction in the EPS system.
(Comes on)	Slip indicator Indicates a malfunction in: • The VSC system; • The TRAC system; or • The hill-start assist control system.

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light goes off.

Warning light	Warning light/Details	Correction procedure
	Open door warning light (warning buzzer)*1 Indicates that a door is not fully closed.	Check that both side doors are closed.
	Low fuel level warning light Indicates remaining fuel is approximately 2.9 gal. (11 L, 2.4 lmp. gal.) or less	Refuel the vehicle.
(On the instrument cluster)	Driver's seat belt reminder light (warning buzzer)*2 Warns the driver to fasten their seat belt.	Fasten the seat belt.
(On the center panel)	Passenger's seat belt reminder light (warning buzzer)*2 Warns the passenger to fasten their seat belt.	Fasten the seat belt.

Warning light	Warning light/Details	Correction procedure
	Tire pressure warning light	
<u>(!)</u>	When the light comes on: Low tire inflation pressure	Adjust the tire inflation pressure to the specified level. The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the vehicle checked by your Lexus dealer.
	When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system	Have the system checked by your Lexus dealer.
A	Master warning light A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.	→P. 322

*1: Open door warning buzzer

 \rightarrow P. 327

*2: Driver's and passenger's seat belt reminders buzzer

The driver's and passenger's seat belt reminders sound to alert the driver and passenger that their seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

n If the malfunction indicator lamp comes on while driving

First check the following:

- 1 Is the fuel tank empty?
 If it is, fill the fuel tank immediately.
- 1 Is the fuel tank cap loose?
 If it is, tighten it securely.

The light will go off after taking several driving trips.

If the light does not go off even after several trips, contact your Lexus dealer as soon as possible.

n Electric power steering system warning light

When the battery is low or when the voltage drops temporarily, the electric power steering system warning light may come on.

n Passenger detection sensor and passenger seat belt reminder

- 1 If luggage is placed on the passenger seat, the passenger detection sensor may cause the warning light to flash even if a passenger is not sitting in the seat.
- 1 If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

${ m n}\,$ When the tire pressure warning light comes on

Check the tire inflation pressure and adjust to the appropriate level. Pushing the tire pressure warning reset switch will not turn off the tire pressure warning light. After the tire inflation pressure is adjusted, it may take a few minutes for the tire pressure warning light to go off.

n The tire pressure warning light may come on due to natural causes

The tire pressure warning light may come on due to natural causes such as natural air leaks or tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

n If the tire pressure warning system is not functioning

The tire pressure warning system will be disabled in the following conditions:

(When the condition becomes normal, the system will work properly.)

- 1 If tires not equipped with tire pressure warning valves and transmitters are used
- 1 If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer
- 1 If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm² or bar) or higher

The tire pressure warning system may be disabled in the following conditions: (When the condition becomes normal, the system will work properly.)

- 1 If electronic devices or facilities using similar radio wave frequencies are nearby
- 1 If a radio set at similar frequencies is in use in the vehicle
- 1 If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings
- 1 If non-genuine Lexus wheels are used (Even if you use Lexus wheels, the tire pressure warning system may not work properly with some types of tires.)
- 1 If a tire is repaired with the emergency tire puncture repair kit

${\bf n}\,$ If the tire pressure warning light comes on after flashing frequently for 1 minute

If the tire pressure warning light comes on after flashing frequently for 1 minute when the ignition switch is turned to the "ON" position, have it checked by your Lexus dealer.

n Customization that can be configured at Lexus dealer

The vehicle speed linked seat belt reminder buzzer can be disabled. (Customizable features \rightarrow P. 383)

A CAUTION

n When the electric power steering system warning light comes on

The steering wheel may become extremely heavy.

If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

n If the tire pressure warning light comes on

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- 1 Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- 1 If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If a tire is flat, temporarily repair the tire using the emergency tire puncture repair kit (\rightarrow P. 332) and then have the tire repaired or replaced by the nearest Lexus dealer.
- 1 Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

n If a blowout or sudden air leakage should occur

The tire pressure warning system may not activate immediately.

A CAUTION

n Maintenance of the tires

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS (tire pressure warning system) malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.



$\, n \,$ Precaution when installing a different tire

When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

If a warning message is displayed

If a warning message is shown on the meter, stay calm and perform the following actions:

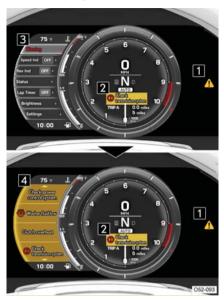
Normal display



- Master warning light
 - Comes on or flashes to indicate that a message is currently being displayed on the meter.
- Warning message

If multiple warning messages occur, they will be shown alternately.

Menu display



Master warning light

Comes on or flashes to indicate that a message is currently being displayed on the meter.

Warning message

If multiple warning messages occur, they will be shown alternately.

"Warning"

Can be selected when a message is shown while in the menu display. Select "Warning" with the control pad and press right to display the warning message list.

4 Warning message list

Lists up to four currently occurring warning messages.

If five or more warning messages have occurred, press up or down on the control pad to scroll through them.

Once the warning is resolved, the corresponding message will disappear.

If any of the warning lights turns on again after performing the following actions, contact your Lexus dealer.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

A buzzer sounds and a warning message is shown on the meter. The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Message	Details
Check brake system BRAKE (U.S.A.) (Canada)	Indicates the following: • The brake fluid level is low; or, • The brake system is malfunctioning.

Stop the vehicle immediately.

A buzzer sounds and a warning message is shown on the meter. The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Message	Details	
Engine oil pressure low	Indicates an abnormal engine oil pressure. The warning light may turn on if the engine oil pressure is too low.	

Have the vehicle inspected by your Lexus dealer immediately.

A buzzer sounds and a message is shown on the meter. Failure to investigate the cause of the following messages may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Message	Details
Check parking brake system (1)	Indicates a malfunction in the parking brake system.
Parking brake inoperable (U.S.A.) (Flashes) (Canada) (Flashes)	Indicates that parking brake operation is restrained. May come on if the parking brake cannot be operated due to a malfunction.
Check transmission system	Indicates a malfunction in the transmission system.

Message	Details
Transmission oil cooler malfunction	Indicates a malfunction in the transmission oil cooler system.
Check power control system	Indicates a malfunction in the charging system.
Brake Pad Wear	Indicates brake pad wear. Reminds the driver to have the brake pads changed.
Check wiper system	Indicates a malfunction in the wiper system. May come on if the wiper motor is malfunctioning.
Failure of active rear wing	Indicates a malfunction in the active rear wing system.

Follow the correction procedures.

A buzzer sounds and a message is shown on the meter. After taking the specified steps to correct the suspected problem, check that the message goes off.

Message	Details	Correction procedure
	Indicates that either or both side doors are not fully closed. The system also indicates which doors are not fully closed. It is a flashes and a buzzer sounds to indicate that either or both side doors are not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Make sure that both side doors are closed.
	Indicates that the hood is not fully closed. flashes and a buzzer sounds to indicate that hood is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Close the hood.

Message	Details	Correction procedure
	Indicates that the rear hatch is not fully closed.	
	flashes and a buzzer sounds to indicate that the rear hatch is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Close the rear hatch.
Parking brake is engaged (Flashes) PARK (U.S.A.) (Canada)	Indicates that the parking brake is still engaged. May come on if the vehicle reaches a speed of 3 mph (5 km/h).	Release the parking brake. (→P. 113)
Parking brake overheat (Flashes) PARK (U.S.A.) (Flashes) (Canada) (Flashes)	Indicates that parking brake operation is restrained. Parking brake operation is restrained to protect the system from overheating due to repeated operation of the parking brake.	Refrain from operating the parking brake for 1 minute.

Message	Details	Correction procedure
Washer fluid low	Indicates that the washer fluid level is low.	Add washer fluid. (→P. 264)
Engine oil level low Check oil level	Indicates that engine oil level is low.	Check the level of engine oil (\rightarrow P. 132), and add if necessary (\rightarrow P. 257).
Oil maintenance required	Indicates that the engine oil needs to be changed.	Have the engine oil changed at your Lexus dealer. (Also have the oil maintenance function reset.)
Temp low Engine cannot be started	Indicates that the engine coolant temperature or engine oil temperature is below -13°F (-25°C).	Start the engine when the engine coolant or engine oil temperature reaches -11°F (-24°C) or higher.
Battery low Start the engine	Indicates that the battery voltage is low.	Start the engine.
Spark plugs dirty Run on freeway or clean plugs	Indicates that the spark plugs are dirty or carbon fouled.	Drive the vehicle at 2400 rpm or higher for a total duration of several minutes.

Message	Details	Correction procedure
Transmission pump overheat Shift rejected	Indicates that gear shift- ing is restrained tempo- rarily (due to overheating of the transmission pump). Gear shifting is not pos- sible while this message is displayed.	Refrain from operating the paddle shift switches for 5 or more seconds.
Transmission temp low Shift restricted	Indicates that gear shift- ing is restrained (due to low transmission fluid temperature). Gear shifting is not pos- sible while this message is displayed.	Warm up the vehicle by driving it.
Clutch overheat	Indicates that the clutch has temporarily over- heated.	Stop the vehicle in a safe place and select Neutral. Allow the clutch to cool down by allowing the vehicle to idle for approximately 15 minutes.

n To prevent the clutch from overheating

- 1 Do not use the accelerator pedal to hold the vehicle on uphill inclines in an attempt to prevent the vehicle from moving backward.
- 1 On uphill inclines, observe the following whenever possible:
 - Maintain a safe distance from the vehicle ahead and avoid frequent starts.
 - Avoid using AUTO driving mode on uphill inclines. This will help to avoid unnecessary gear changes.

n If "Battery low Electrical equipment operation is limited" is displayed

The battery voltage is low. The operation of the air conditioning system, transmission pump and other power-consuming components may be temporarily limited until the battery is recharged.

If you have a flat tire

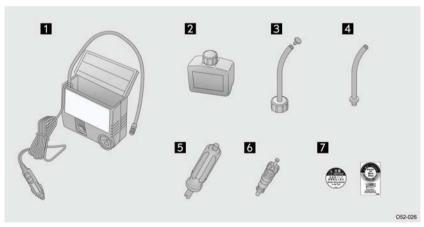
The LFA is equipped with an emergency tire puncture repair kit, not a spare tire.

A puncture caused by a nail or screw passing through the tire tread can be repaired temporarily with the emergency tire puncture repair kit. When replacing the repaired tire, consult your Lexus dealer or tire dealer.

n Before repairing the tire

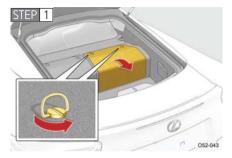
- 1 Stop the vehicle in a safe place on a hard, flat surface.
- 1 Set the parking brake.
- 1 Select 1st gear or Reverse.
- 1 Stop the engine.
- 1 Turn on the emergency flashers.

n Contents

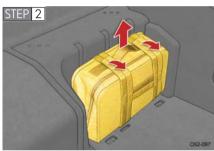


- Compressor
- 2 Sealant
- Injection hose
- Extension hose (for extracting the sealant)
- 5 Valve core tool
- 6 Valve core (spare)
- 7 Stickers

Taking out the emergency tire puncture repair kit



Open the rear hatch and remove the cover.



Release the belt and take out the tool bag.

Take the emergency tire puncture repair kit out of the tool bag.

Before putting the sealant into use

Check the degree of tire damage before making use of the sealant in the emergency tire puncture repair kit.



A tire should only be repaired if the damage is caused by a nail or screw passing through the tire tread.

Do not remove the nail or screw from the tire.

Move the vehicle until the area of the puncture, if known, is positioned at the bottom, in contact with the ground. This allows the sealant to plug the damaged area more effectively.

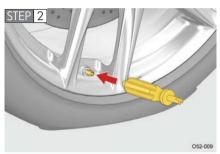
Emergency repair with the sealant in the kit is not possible in the following cases. Contact your Lexus dealer.

- 1 When the wheel is damaged
- 1 When two or more tires have been punctured
- 1 When the tire is damaged due to driving without sufficient tire inflation pressure
- 1 When the tire is visibly disengaged from the wheel
- 1 When the tire lost air pressure due to a crack or damage in the tire sidewall
- 1 When the cut or piercing to the tread is 0.16 in. (4 mm) or more

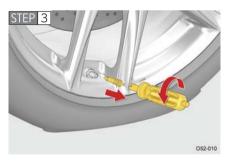
Emergency repair method



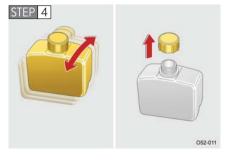
Remove the cap from the valve.



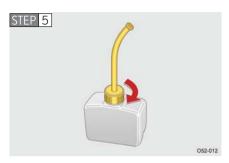
Bring the protruding part of the valve core tool into contact with the valve and fully discharge the air.



Pull out the valve core by turning it counterclockwise using the valve core tool.



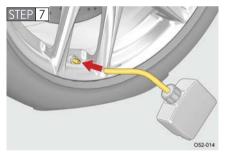
Shake the sealant bottle several times and remove the cap of the sealant bottle.



Connect the injection hose by screwing it onto the bottle. As it is screwed in, the aluminum seal on the bottle will be torn.



Remove the plug from the injection hose.



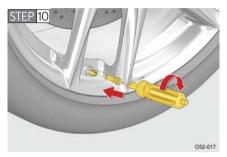
Connect the injection hose to the valve.



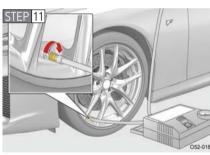
Inject the sealant that is in the bottle. Hold and tilt the bottle, then squeeze sealant out of the bottle as shown.



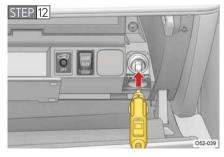
Attach the sticker as shown.



Remove the injection hose from the valve and screw the valve core into the valve securely by turning it clockwise with the valve core tool.



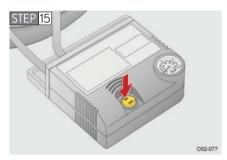
Connect the air compressor hose by threading it onto the valve.



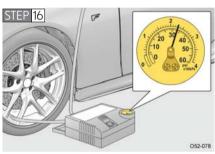
Connect the compressor power plug to the power outlet in the glove box.

STEP 13 Turn the ignition switch to the "ACC" position.

STEP 14 Check the specified inflation pressure. $(\rightarrow P. 366)$



Turn the compressor switch "ON" and fill the tire with air until the specified inflation pressure is reached.

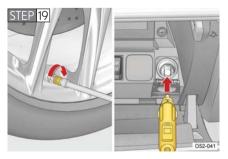


Turn the switch "OFF" when the pressure gauge connected to the hose reads the specified pressure.

If the inflation pressure is not attained within 8 minutes, emergency repair is not possible due to severe damage. Contact your Lexus dealer.

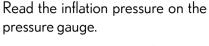
- STEP 17 After completely filling the tire with air, disconnect the hose from the tire valve and the compressor power plug from the power outlet.
- STEP 18 To spread the liquid sealant evenly in the tire, immediately drive for about 3 miles (5 km) or 10 minutes.

Drive cautiously at a moderate speed, avoiding sudden starts, sudden braking, and abrupt steering maneuvers.



After driving about 3 miles (5 km) or 10 minutes, stop your vehicle in a safe place and reconnect the compressor.

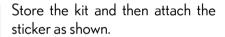




If the pressure is 18 psi (130 kPa, 1.3 kgf/cm² or bar) or above: Fill the tire with air using the compressor until the specified inflation pressure is reached.

If the pressure is less than 18 psi $(130 \text{ kPa}, 1.3 \text{ kgf/cm}^2 \text{ or bar})$:

The emergency repair that has been performed is not safe for use as damage to the tire is too severe. Do not continue to drive the vehicle. Contact your Lexus dealer.



Taking precautions to avoid sudden braking and sharp turns, drive carefully at under 50 mph (80 km/h) to the nearest Lexus dealer or tire dealer for tire repair or replacement.



n Sealant

- 1 One tire can be repaired using the bottle of sealant stored in the emergency tire puncture repair kit.
- 1 The sealant can be used when the outside temperature is from $-22^{\circ}F$ ($-30^{\circ}C$) to $140^{\circ}F$ ($60^{\circ}C$).
- 1 When the outside temperature is low, the viscosity of the sealant becomes high and it will be more difficult to inject the sealant. In this case, warm the sealant in the vehicle before using it.
- 1 The sealant has a limited lifespan. The expiration date is marked on the bottle. The sealant should be replaced before the expiration date. Contact your Lexus dealer.
- 1 If the sealant gets on your clothes, it may stain.
- 1 After using the sealant, bring the empty bottle of sealant to your Lexus dealer and purchase a new bottle. Keep the new bottle of sealant in your vehicle.

n Compressor

- 1 The compressor is a pneumatic filling type for passenger vehicles.
- 1 When the compressor is operating, a loud operating noise will be produced. This does not indicate a malfunction.

${ m n}\,$ The wheel of a tire that has been repaired

If you remove the sealant adhering to the wheel with a rag, you can reuse the wheel.

${\it n}\,$ The valve of a tire that has been repaired

- 1 After a tire is repaired with the emergency tire puncture repair kit, the tire pressure warning valve and transmitter should be replaced.
- 1 After a tire is repaired with the emergency tire puncture repair kit, even if the tire inflation pressure is at the recommended level, the tire pressure warning light may come on/flash.

A CAUTION

n Precaution for children

Keep the emergency tire puncture repair kit out of the reach of children and store it properly.

n Sealant precautions

- 1 The sealant in the emergency tire puncture repair kit is not for human consumption
 - If the sealant is consumed, drink a large quantity of water and get medical attention immediately.
- 1 If sealant gets in your eyes or on your skin, thoroughly wash with a large quantity of water. If necessary, get medical attention.

n When fixing the flat tire

- 1 Stop your vehicle in a safe and flat area.
- 1 If force is used to turn the valve core tool while air remains in the tire, special care should be taken because the valve core could fly out.
- 1 Be careful, as sealant may fly out if you shake the bottle with the hose installed.
- 1 If the hose is not securely installed, sealant may leak out when filling.
- 1 Connect the valve and hose securely with the tire installed on the vehicle.
- 1 Be careful handling the compressor, as parts of the compressor get hot during operation. Some parts of the compressor may remain hot after use.
- 1 Do not attach the vehicle speed warning sticker to an area other than the one indicated. If the sticker is attached to an area where an SRS airbag is located, such as the pad of the steering wheel, it may prevent the SRS airbag from operating properly.

n Driving to spread the liquid sealant evenly

Drive cautiously at a moderate speed, avoiding sudden starts, sudden braking, and abrupt steering maneuvers.

⚠ NOTICE

n Vehicles with a flat tire

Do not continue driving with a flat tire.

Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

n When performing an emergency repair

Perform the emergency repair without removing the nail or screw that has punctured the tread of the tire. If the object that has punctured the tire is removed, the repair using the sealant in the emergency tire puncture repair kit may fail.

n When fixing the flat tire

- 1 Do not put the valve core on dirty ground or in the sand. Store it in a clean place.
- 1 Do not remove the inside cap of the sealant bottle.
- 1 Turn the valve core tool with your hand when screwing it in. If you use another tool in conjunction with the valve core tool, damage may occur.
- 1 Do not operate the compressor continuously for more than 10 minutes. The motor may overheat and be damaged. Let the compressor cool before using it again.

n Compressor precautions

- 1 The compressor power source should be 12 V DC suitable for vehicle use. Do not connect the compressor to 24 V DC or any other power source.
- 1 The compressor is an oil-less type. Do not lubricate with oil.
- 1 If the compressor does not operate properly or becomes hot, it may be overheated. Turn off the switch and leave the compressor to cool down for at least 30 minutes.
- 1 The compressor is not waterproof. Make sure that the compressor is not exposed to water, such as when it is being used in the rain.
- 1 Do not put the compressor directly onto dusty ground such as sand at the side of the road. If the compressor vacuums up dust etc., a malfunction may occur.
- 1 Do not disassemble or modify the compressor. Do not subject parts such as the air pressure indicator to impacts. This may cause a malfunction.

If the engine will not start

If the engine will not start, even though correct starting procedures are being followed (\rightarrow P. 98), consider each of the following points.

n The engine will not start even when the starter motor operates normally.

One of the following may be the cause of the problem.

- 1 There may not be sufficient fuel in the vehicle's tank. Refuel the vehicle.
- The engine may be flooded.
 Try to restart the engine once more following correct starting procedures. (→P. 98)
- 1 There may be a malfunction in the engine immobilizer system. $(\rightarrow P.53)$
- n The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.

One of the following may be the cause of the problem.

- 1 The battery may be discharged. $(\rightarrow P. 348)$
- 1 The battery terminal connections may be loose or corroded.
- n The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.

One of the following may be the cause of the problem.

- 1 One or both of the battery terminals may be disconnected.
- 1 The battery may be discharged. (\rightarrow P. 348)

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

If you lose your keys/wireless remote control transmitter

n Keys

New genuine Lexus keys can be made by your Lexus dealer using the other keys and the key number stamped on your key number plate.

However, there may be cases where an additional premium master key cannot be made. For details, ask your Lexus dealer.

n Wireless remote control transmitter

New genuine wireless remote control transmitters can be purchased and programmed by your Lexus dealer. If a wireless remote control transmitter has been lost, bring the other wireless remote control transmitter when going to pick up the new transmitter.

If the parking brake cannot be released

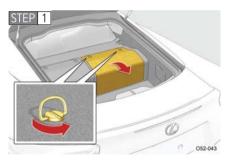
In the event that the battery is discharged or switch operation does not release the parking brake, the parking brake can be released manually using the procedure below. This procedure should be performed only if necessary, such as in an emergency.

If the switch cannot be operated even when the battery is normal, the parking brake system may be malfunctioning. Have the vehicle inspected by your Lexus dealer immediately.

n Before releasing the parking brake manually

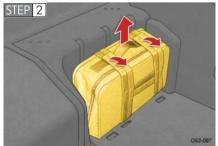
- 1 Select 1st gear or Reverse.
- 1 Turn the ignition switch to the "LOCK" position.
- 1 Check that the parking brake indicator is off.
- 1 Chock the tires.

Releasing the parking brake manually



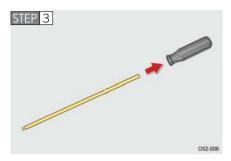
Open the rear hatch and remove the cover.

If the rear hatch cannot be opened with the rear hatch opener switch, use the release cable. $(\rightarrow P. 29)$

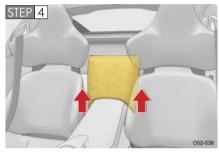


Release the belt and take out the tool bag.

Take the parking brake release tool and the screwdriver handle out of the tool bag.

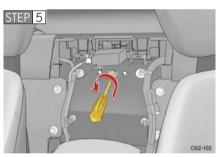


Install the parking brake release tool into the screwdriver handle.



Remove the cover.

Hold both sides of the bottom edge and raise the cover.



Insert the tool and press it down firmly while turning it counter-clockwise until it stops.

${\it n}\,$ Manual operation of the parking brake

The parking brake cannot be set manually.

A CAUTION

n When releasing the parking brake manually

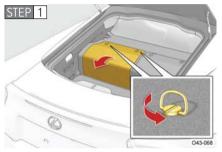
- 1 Select 1st gear or Reverse, turn the ignition switch to the "LOCK" position and chock the tires.
 - Failure to do so may cause the vehicle to move, resulting in an accident.
- 1 Turn the ignition switch to the "LOCK" position and check that the parking brake indicator is off.
 - Failure to do so may cause the system to operate and turn the parking brake release tool that is inserted, resulting in an injury.

If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.

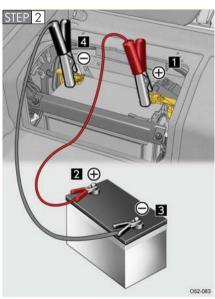
You can call your Lexus dealer, or qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Lexus following the steps below.



Open the rear hatch and remove the battery cover.

If the rear hatch cannot be opened with the rear hatch opener switch, use the release cable. $(\rightarrow P. 29)$



After removing the positive (+) battery terminal cover and checking that the negative (-) terminal is securely fixed in place, connect the jumper cables in the following order:

- Positive (+) battery terminal on your vehicle
- Positive (+) battery terminal on the second vehicle
- Negative (-) battery terminal on the second vehicle
- Negative (-) battery terminal on your vehicle

- STEP 3 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.
- Maintain the engine speed of the second vehicle and start the engine of your vehicle.
- STEP 5 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order from which they were connected.

After disconnecting the jumper cables, make sure that the negative (-) battery terminal on your vehicle is fixed securely.

Once the engine starts, have the vehicle inspected at your Lexus dealer as soon as possible.

n Starting the engine when the battery is discharged

- 1 If the gear indicator is not displayed when an attempt is made to start the engine, the engine is not yet ready to start. Depress the brake pedal for several seconds and wait for the gear indicator to appear.
- 1 The engine cannot be started by push-starting.

n To prevent battery discharge

- 1 Turn off the headlights and the audio system while the engine is off.
- 1 Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

A CAUTION

n To prevent a vehicle fire

When connecting or disconnecting the jumper cables to or from the battery, make sure that they are not in contact with any part made of CFRP (Carbon Fiber Reinforced Plastics). Failure to do so may cause a fire hazard.

n Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the batterv.

- 1 Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any part other than the intended terminal.
- 1 Do not allow the + and clamps of the jumper cables to come into contact with each other.
- 1 Do not smoke, use matches, cigarette lighters or allow open flame near the battery.

n Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery:

- 1 When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- 1 Do not lean over the battery.
- 1 In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received
- 1 Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- 1 Do not allow children near the battery.

If your vehicle overheats

If your engine overheats:

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system.

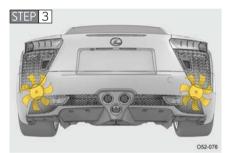
STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine. Carefully lift the hood after the steam subsides and then restart the engine.

If you do not see steam:

Leave the engine running and carefully lift the hood.



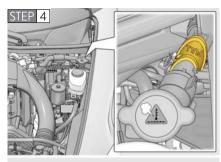
Check to see if the cooling fan is operating.

While being careful of hot air and exhaust gases, check by looking through the radiator grilles or by listening to the operating sound.

If the fan is operating:

Wait until the engine coolant temperature shown on the gauge lowers and then stop the engine.

If the fan is not operating: Stop the engine immediately and call your local Lexus dealer.

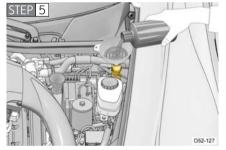


After the engine has cooled down sufficiently, check the engine coolant level and inspect the radiator core (radiator) for any leaks.



Add engine coolant if necessary. $(\rightarrow P. 362)$

Water can be used in an emergency if engine coolant is unavailable.



Have the vehicle inspected at the nearest Lexus dealer as soon as possible.

n Overheating

If you observe the following, your vehicle may be overheating.

- 1 The engine coolant temperature gauge flashes or a loss of power is experienced.
- 1 Steam comes out from under the hood.

A CAUTION

- n To prevent an accident or injury when inspecting under the hood of your vehicle
 - 1 If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot, causing serious iniury such as burns.
 - 1 Keep hands and clothing away from the drive belt while the engine is running.
 - 1 Do not loosen the coolant reservoir cap while the engine and radiator are hot. Serious injury, such as burns, may result from hot coolant and steam released under pressure.



∧ NOTICE

n When adding engine coolant

Wait until the engine has cooled down before adding engine coolant. When adding coolant, do so slowly. Adding cool coolant to a hot engine too guickly can cause damage to the engine.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

- STEP 1 Set the parking brake, select Neutral and stop the engine.
- STEP 2 Remove the mud, snow, or sand from around the stuck tire.
- STEP 3 Place wood, stones or some other material to help provide traction under the tires.
- STEP 4 Restart the engine.
- STEP 5 Select 1st gear or Reverse, release the parking brake and carefully apply the accelerator to free the vehicle.

Turn off VSC and TRAC if these functions are hampering your attempts to free the vehicle. $(\rightarrow P. 167)$

A CAUTION

n When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

Be careful not to operate the paddle shift switches/reverse selector switch with the accelerator pedal depressed.

This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

↑ NOTICE

$\,{\rm n}\,$ To avoid damaging the transmission and other components

- 1 Avoid spinning the wheels and do not rev the engine.
- 1 If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.

If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

STEP 1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the distance required to slow the vehicle.

STEP 2 Select Neutral. $(\rightarrow P. 103)$

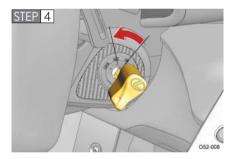
If Neutral is selected

STEP 3 After slowing down, stop the vehicle in a safe place by the road.

STEP 4 Stop the engine.

If Neutral cannot be selected

STEP 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.



Stop the engine by turning the ignition switch to the "ACC" position.

STEP 5 Stop the vehicle in a safe place by the road.

$\, n \,$ Stopping the engine in an emergency

The engine cannot be stopped by pressing the "ENGINE START" switch, as this switch is not designed to stop the engine. If the vehicle has to be stopped in an emergency, make sure to turn the ignition switch to the "ACC" position.

A CAUTION

${\it n}$ If the engine has to be turned off while driving

- 1 If the engine is turned off, the power assist for the brakes and steering may not function, making braking and steering more difficult. Decelerate as much as possible before turning off the engine.
- 1 Never attempt to remove the key, as doing so will lock the steering wheel.